

# MATERIAL SAFETY DATA SHEET

This MSDS is compatible with ISO 11014 – 1:2002 and conforms to ANSI standard Z400.1 – 2004.

## SAFETY DATA SHEET

This SDS complies with REACH 1907/2006, 2001/58/EC, and GHS

### Section 1: Chemical Product and Company Identification

**CHEMICAL SUPPLIER COMPANY NAME**

North Star Products, Inc.  
4074 NW 2<sup>nd</sup> Lane  
Delray Beach, Florida 33445  
Safety Data Sheet Competent Person:

**EMERGENCY TELEPHONE**

Chemtrec 24 hrs: 800-424-9300  
Information: 888-846-8633  
Fax: 561-638-8625  
Customer Service

DATE PREPARED: March 23, 2009

DATE REVIEWED: **March 23, 2009**

PRODUCT NAMES: **UN-HESIVE**

FORMULA: Mixture

PRODUCT USE: This product is an aqueous solution used for the removal of cured polyurethane adhesives.

### Section 2: Hazards Identification

**GHS Hazard Class**

Signal word:

Hazard Statement:

Precautionary Statements:

Prevention  
Response

Storage  
Disposal

Eye Irritation --Category 2B (no symbol)

Warning

Causes eye irritation

No Precautionary statement

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation occurs, get medical advice/attention. Wash hands after handling.

No Precautionary statement

No Precautionary statement

HAZARD CLASSIFICATION: Not Applicable.

FIRE AND EXPLOSION: Not Flammable or combustible.

NFPA RATINGS:

Component	Health (Blue)	Flammability (Red)	Reactivity (Yellow)	Special (White)
UN-HESIVE	3	0	2	--

**POTENTIAL HEALTH EFFECTS**

INGESTION:

Swallowing may cause severe burns of mouth, throat, and stomach. Severe scarring of tissue and death may result.

INHALATION:

Effects from inhalation of mist vary from mild irritation to serious damage of the upper respiratory tract, depending on severity of exposure. Symptoms may include sneezing, sore throat or runny nose.

SKIN CONTACT:

Contact with skin can cause irritation or severe burns and scarring with greater exposures

EYE CONTACT:

Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.

### Section 3: Composition / Information on Ingredients

PRODUCT COMPOSITION	APPROX %	ACGIH TLV	OSHA PEL	NIOSH REL	CAS NO.	EINECS/ELINCS	DANGER SYMBOL	R-RISK PHRASE	DSL
VERSENE	<5	-----	-----	-----	64-02-8	200-573-9	Xn	R22, 41	Y
LFA	<5	-----	-----	-----	61790-12-3	263-107-3	-----	-----	Y
EB	<1	20 ppm TWA	50 ppm TWA	5 ppm TWA	111-76-2	203-905-0	Xn	R20/21/22, 36/38	Y

Some items on this MSDS may be designated as trade secrets (TS). Bona fide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 1910.1200 I 1-13. The Full List for all R phrases is shown in Section 16.

### Section 4: First Aid Measures

**INHALATION:** Remove to fresh air. If not breathing, provide CPR (cardio pulmonary resuscitation) get immediate medical attention.

**SKIN CONTACT:** Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing.

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

**INGESTION:** If swallowed do not induce vomiting, give large quantities of water to drink. Never give anything to an unconscious person. Get immediate medical attention.

### Section 5: Fire-fighting Measures

**FLASH POINT:** Not applicable

**FLAMMABLE LIMITS IN AIR (% by vol):** Not measured

**EXTINGUISHING MEDIA:** Carbon Dioxide, Water, Dry Chemical

**SPECIAL FIREFIGHTING PROCEDURES:** None

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

### Section 6: Accidental Release Measures

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Wear proper protective equipment as specified in the protective equipment section.  
Warn other workers of spill. Contain spills. Place in a chemical waste container.

Disposal method: disposal should be made in accordance with federal, state and local regulations. Incineration is recommended.

### Section 7: Handling and Storage

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Store upright in a cool, dry place.  
Keep container closed when not in use.  
Do not store with oxidizing materials.  
Use only with adequate ventilation.  
Do not inhale vapors.  
Wear proper protective equipment when handling this material.  
Avoid contact with skin, eyes or clothing.  
Wash hands and face after handling this material.  
Keep out of reach of children.  
Follow all applicable local regulations for handling and storage.  
Utilize chemical segregation.

**INFORMATION ON EMPTIED CONTAINER**

Dispose of this container according to local, state, and federal laws in your country.  
Do not reuse this container. This container may be hazardous when emptied.

**SPECIFIC USES:**

This product is used for the removal of cured polyurethane adhesives.

**Section 8: Exposure Controls/Personal Protection**

VENTILATION:	Special ventilation precautions not required.
RESPIRATORY PROTECTION:	None required
PROTECTIVE GLOVES:	Wear chemical impervious gloves at all times while working with this product. Recommended glove types include: Laminate Film, Nitrile, or Tri-polymer. Check with your company's glove supplier to ensure chemical resistance.
EYE PROTECTION:	Safety Glasses, Chemical goggles, face shield
PROTECTIVE CLOTHING:	Wear suitable protective clothing to prevent skin contact.
OTHER EQUIPMENT:	Make safety shower, eyewash stations, and hand washing equipment available in the work area.
WORK/HYGIENE PRACTICES:	Avoid contact with eyes. Wash hands and face after handling.

**Section 9: Physical and Chemical Properties**

APPEARANCE - COLOR:	Colorless to yellow
PHYSICAL STATE:	Liquid
ODOR:	Mild

	PRODUCT CRITERIA
PH	11.2
FLASH POINT:	N/A This is an aqueous, non-flammable liquid
FLAMMABILITY (Solid, gas)	N/A
EXPLOSIVE PROPERTIES	N/A
OXIDIZING PROPERTIES	N/a
SPECIFIC GRAVITY (@25 °C):	1.15
EVAPORATION RATE:	N/A
% VOLATILE by VOLUME	N/A
PARTITION COEFFICIENT (Octanol / Water)	N/A
BOILING POINT:	211 °F
MELTING POINT:	N/A
VAPOR PRESSURE	N/A
VAPOR DENSITY (AIR = 1)	N/A
SOLUBILITY IN WATER:	Complete
WATER SOLUBILITY IN THE SOLVENT	Complete
FREEZING POINT:	N/A
VISCOSITY	N/A

**Section 10: Stability and Reactivity**

STABILITY:	Stable.
CONDITIONS TO AVOID:	None
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong oxides.
HAZARDOUS DECOMPOSITION PRODUCTS:	None
HAZARDOUS POLYMERIZATION:	Will not occur under normal temperatures and pressures.

### Section 11: Toxicological Information

There is no toxicological information available for the product mixture.

GHS Required Criteria	Toxicity Criteria	Toxicity Information	Comments	Chemical Constituent
Acute Toxicity	LD50 (Oral/Rat):	3000 mg/kg		EB
	LD50 (Oral/Rat):	>2000 mg/kg		VERSENE
	LD50 (Dermal/Rabbit):	400 mg/kg		EB
	LD50 (Inhalation/Rat):	486 ppm/4 hr		EB
	LD50 (Oral/Rat):	7400 mg/kg		TSP
Skin Corrosion/Irritation	Skin Rabbit	500 mg/24 hours		VERSENE
Serious Eye Damage / Eye Irritation	Eye Rabbit	100 mg/24 hours	Moderate	VERSENE
Respiratory or Skin Sensitization		No information is available		
Germ Cell Mutagenicity		No information is available		
Carcinogenicity		No information is available	IARC	
		No information is available	NTP	
		No information is available	OSHA	
Reproductive Toxicity		No information is available		
STOST -- Single Exposure		No information is available		
STOST -- Repeated Exposure		No information is available		
Aspiration Hazard		No information is available		

STOST = Specific Target Organ Systemic Toxicity

### Section 12: Ecological Information

		Chemical
BIODEGRADATION:	LC50 Lepomis macrochirus 486 mg/L/96 hr	
BIOACCUMULATION:	No information is available.	
ECO TOXICITY:	1,030 mg/L/96 hr	VERSENE
	LC50 Lepomis macrochirus 486 mg/L/96 hr	VERSENE
	LC50 Daphnia magna (Waterflea) 1,720 mg/L/24 hr	EB
	LC50 Lepomis macrochirus (Bluegill) 1,490 mg/L/96 hr	EB
MOBILITY:	No information is available.	

### Section 13: Disposal Considerations

WASTE FROM RESIDUES / UNUSED PRODUCTS:

Follow the waste disposal requirements of your country, state, or local authorities.

### Section 14: Transport Information

**DOT TRANSPORT:**

DOT PROPER SHIPPING NAME Not Regulated

DOT REPORTABLE QUANTITY (49 CFR 172.101, APP.) and CERCLA REPORTABLE QUANTITY (40 CFR PART 302, TABLE 302.4) HAZARDOUS SUBSTANCE(S) NAME / (CAS NO.), CONTENT(S) AND RQ: Potassium Hydride CAS 1314-58-3, 1000 lbs (454kg); CAS# 10101-89-0: 5000 lb final RQ (listed under Sodium phosphate, tribasic);

**ADR = International Carriage of Dangerous Goods by Road** Not Regulated

**RAIL TRANSPORT:** Not Regulated

**SEA TRANSPORT:** Not Regulated

**AIR TRANSPORT:** Not Regulated

IATA/ICAO CLASS:

## Section 15: Regulatory Information

LABEL FOR SUPPLY:



R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R41	Risk of serious damage to eyes.
S37/39	Wear suitable gloves and eye/face protection.

### TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

**This product is in compliance with rules, regulations, and orders of TSCA. All components are listed on the TSCA Inventory.**

### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372.  
The toxic chemicals contained in this product are: None

### CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California Proposition 65 chemical(s) under the statute.  
The California proposition 65 chemical(s) contained in this product are: None

### STATE RIGHT-TO-KNOW TOXIC SUBSTANCE OR HAZARDOUS SUBSTANCE LIST:

Florida Toxic Substance(s):	None
Massachusetts's hazardous substance(s):	None
Pennsylvania hazardous substance code(s):	None
New Jersey	None
Illinois	None
Michigan:	None

CANADA: This MSDS/SDS will be non compliant 3 years after the issue date.

### WHMIS-INFORMATION:

The chemical components of this product are in compliance with the WHMIS regulations.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

### EUROPEAN UNION:

This product has been reviewed for compliance with the following European Community Directives: REACH 1907/2006; Directive 67/548/EEC, Directive 2001/59/EC, Directive 91/155/EC, and Directive 2001/58/EC.

WGK:	0
EINECS:	European Inventory of Existing Commercial Chemical Products.
ELINCS:	European List of Notified Chemical Substances

## Section 16: Other Information

Full Text:

### European Community Hazards Identification:

R22	Harmful if swallowed.
R41	Risk of serious damage to eyes.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R34	Causes Burns
S(2-)	Keep out of the reach of children

S37/39           Wear suitable gloves and eye/face protection.  
S36/37           Wear suitable protective clothing and gloves.  
S39               Wear eye/face protection.  
S45               In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)  
S46               If swallowed, seek medical advice immediately and show this container or label.

Danger Symbol(s):       F           Highly Flammable  
                                  Xi          Irritant  
                                  Xn          Harmful  
Revision Comments:      Updated to comply with EU REACH and GHS regulations.  
Revision Number:        0  
Information Sources:     RTECS

**ADDITIONAL INFORMATION**

THIS DATA IS OFFERED IN GOOD FAITH WITH TYPICAL PRODUCT VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS MADE. THE RECOMMENDED HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE.